

**COELICCIA LOOGALI LAIDLAW AND PRODASINEURA VERTICALIS BURMANENSIS
(FRASER) FROM NE INDIA, WITH A NOTE ON THE NON-OPALESCENT FORM OF
NEUROTHEMIS T. TULLIA (DRURY)**

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Abstract – The 2 Zygoptera spp. and the non- -opalescent form of *N. t. tullia* are reported for

the first time from Mizoram and Meghalaya in NE India. These taxa were earlier known to occur in Nepal, Burma, Thailand, Indochina and Indonesia.

Introduction

Approximately 315 odonate species and subspecies have been so far reported from NE India by FRASER (1933-1936), VARSHNEY (1971), MITRA (1975, 1994, 1996a, 1996b), MITRA & SEN (1995), LIEFTINCK (1977), LAHIRI (1976, 1977a, 1977b, 1979, 1985, 1987), ASAHINA (1978, 1984, 1985a, 1985b), PRASAD & GHOSH (1984), LAHIRI & SINHA (1985, 1991), BHARGAVA (1989), SRIVASTAVA & SINHA (1995) and PRASAD & VARSHNEY (1995).

While checking the NE India odonate collections in the Zoological Survey of India, Calcutta, the author has come across specimens of 2 interesting species, which were not previously known from India. These are brought here on record along with a specimen of the non-opalescent white band form of *Neurothemis t. tullia* (Dr.), which is reported for the first time from Meghalaya.

Coelliccia loogali Laidlaw

1 ♂, Pukpui, Lunglei distr., Mizoram, 10-IV-1994, S.K. Ghosh & M. Prasad leg.

Measurements (in mm): Abdomen 45.0; – forewing 35.0; – hindwing 34.0.

Pterostigma brown, covering 2 cells. 22 postnodals in forewing and 20 in hindwing.

Distribution: Burma (= Myanmar), Nepal, NE India and Thailand.

Prodasineura verticalis burmanensis (Fraser)

1 ♂, Zobawk, distr. Lunglei, Mizoram, 11-IV-1994, S.K. Ghosh & M. Prasad leg.

Measurements (in mm): Abdomen 30.0; – forewing 21.0; – hindwing 20.0.

Vertex, occiput, face and frons mat-black. Pterostigma black, covering one cell. 14-15 postnodals in forewing and 12 in hindwing.

Distribution: Burma (= Myanmar) and NE India.

Neurothemis t. tullia (Drury)

1 ♂, Mawphlang, Meghalaya, 17-IX-1991, R.K. Varshney leg.

Measurements (in mm): Abdomen 19.5; –

forewing 22.0; – hindwing 21.0.

Labium and clypeus yellowish-brown, labrum deep brown, frons bright violaceous. In forewing, anal triangle 3-celled, discoidal cell traversed only once and discoidal field begins with 3 rows of cells. Only one row of cells present in both wing pairs. A brown marking slightly convex in shape present in both wing pairs. In forewing this brown marking extends up to node in costa and subcosta, then subsequently sloping towards the wing base, ending one cell before the base of wing border. In hindwing it extends beyond one cell of node in costa and subcosta. White opalescent band, boarding the black area in both wings, absent. ASAHINA (1981) has also reported similar specimens of this species from Thailand, Taiwan and Hong Kong. Pterostigma brown, covering 1½ cells. Nodal index: 9-6½ / 6½-8, 8-5 / 5-7.

Distribution: Indonesia, Indochina, Burma (= Myanmar), NE India and Thailand.

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References – ASAHINA, S., 1978, *Proc. Jpn. Soc. syst. Zool.* 14: 43-46; – 1981, *Tombo* 24: 12-16; – 1984, *Trans. Shikoku ent. Soc.* 16: 1-9; – 1985a, *Cho Cho* 8(2): 2-13; – 1985b, *ibid.* 8(1): 2-18; – BHARGAVA, R.N., 1989, *Indian Odonatol.* 2: 45-46; – FRASER, F.C., 1933-1936, *Fauna of British India, Odonata*, Vols 1-3, Taylor & Francis, London; – LAHIRI, A.R., 1976, *Odonatologica* 5: 273-276; – 1977a, *Proc. zool. Soc. Calcutta* 30: 45-49; – 1977b, *Rec. zool. Surv. India* 72: 409-418; – 1979, *Oriental Insects* 13: 119-132; – 1985, *Rec. zool. Surv. India* 82: 61-67; – 1987, *Rec. zool. Surv. India* (Occ. Pap.) 99: 1-402; – LAHIRI, A.R. & C. SINHA, 1985, *Bull. zool. Surv. India* 7: 33-36; – 1991, *Rec. zool. Surv. India* 89: 259-268; – LIEFTINCK, M.A., 1977, *Oriental Insects* 11: 157-179; – MITRA, T.R., 1975, *Ent. News* 86: 213-216; – 1994, *Rec. zool. Surv. India* (Occ. Pap.) 166: 1-40; – 1996a, *Opusc. zool. flumin.* 141: 1-6; – 1996b, *ibid.* 141: 7-9; – MITRA, T.R. & G.C. SEN, 1975, *Ent. Rec. J. Var.* 87: 119-120; – PRASAD, M. & S.K. GHOSH, 1984, *Bull. zool. Surv. India* 6: 34-44; – PRASAD, M. & R.K.

VARSHNEY, 1995, *Oriental Insects* 29: 385-428; 97-100.
– SRIVASTAVA, V.D. & C. SINHA, 1995, *St. Fauna Ser. zool. Surv. India* 4(3): 33-154; – *Received January 10, 1997*
VARSHNEY, R.K., 1971, *J. Assam scient. Soc.* 14: